

ABSTRACT OF THE DISCLOSURE

An object of the present invention is to obtain a portable product capable of switching to a plurality of kinds of voltage, supporting any type of battery, and informing a user of an output voltage abnormality, service interruption and an end of discharge. It is an AC adapter power supply apparatus comprising a line for supplying a DC voltage of an AC-DC conversion circuit 11 directly to a DC output circuit 23, and a line for supplying the same from a battery 14, wherein an output side of a DC output detection circuit 17 connected to the AC-DC conversion circuit 11 is connected to an apparatus status output circuit 22 for outputting a status monitoring signal to the outside and to a battery switch circuit 15, and a changeover switch 19 for switching a set-up output voltage is connected to the AC-DC conversion circuit 11 and the DC-DC conversion circuit 16. And it is connected to a battery switch circuit 15 for controlling contact and separation of the battery 14, a switch 20 for turning on and off charging of the battery 14, and a cold start switch 21 for controlling connection of the battery 14.